



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thomas M. Cronin

Art Unit: 2821

Serial No.: 09/878,051

Examiner: Huedung X. Cao

Filed

: June 7, 2001

Title

: RENDERING A THREE-DIMENSIONAL MODEL USING A DITHER

PATTERN

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Consideration of the references listed on the attached PTO-1449 form is respectfully requested. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. Please apply the \$180 late submission fee of §1.17(p) and any other charges or credit any overpayment to Deposit Account No. 06-1050, referencing Attorney Docket No. 10559-478001.

Respectfully submitted,

Fish & Richardson P.C.

225 Franklin Street

Boston, MA 02110-2804 Telephone: (617) 542-5070

Facsimile: (617) 542-8906

40,780 Reg. No

CERTIFICATE OF MAILING BY FIRST CLASS MAIL I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit

Signature

SHARON FERNAUD

Typed or Printed Name of Person Signing Certificate

Spositute Form PTO-1449 (Modified) 1 2005

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 10559-478001

Application No. 09/878,051

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant Thomas M. Cronin

Filing Date June 7, 2001 Group Art Unit 2821

			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Document Number	Publicatio n Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,600,919	07-1986	Stern			
	AB	4,747,052	05-1988	Hishinuma et al.			
	AC	4,835,712	05-1989	Drebin et al.			
	AD	4,855,934	08-1989	Robinson			
	AE	4,901,064	02-1990	Deering			
	AF	5,124,914	06-1992	Grangeat			
	AG	5,163,126	11-1992	Einkauf et al.			
	AH	5,371,778	12-1994	Yanof et al.			
	AI	5,611,030	03-1997	Stokes			
	AJ	5,731,819	03-1998	Gagne et al.			
	AK	5,757,321	05-1998	Billyard			
	AL	5,786,822	07-1998	Sakaibara			
	AM	5,805,782	09-1998	Foran			
	AN	5,809,219	09-1998	Pearce et al.			
	AO	5,812,141	09-1998	Kamen et al.			
	AP	5,847,712	12-1998	Salesin et al.			
	AQ	5,894,308	04-1999	Isaacs			
	AR	5,929,860	07-1999	Норре			
	AS	5,933,148	08-1999	Oka et al.			
	AT	5,949,969	09-1999	Suzuoki et al.			
	AU	5,966,133	10-1999	Норре			
	AV	5,966,134	10-1999	Arias			
	AW	5,974,423	10-1999	Margolin			
<u> </u>	AX	6,054,999	04-2000	Strandberg			
	AY	6,057,859	05-2000	Handelman et al.			
	AZ	6,078,331	06-2000	Pulli et al.			
	AAA	6,115,050	09-2000	Landau et al.		·	

		-	
Examir	ner	Signat	ure

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form (Modified)	Patent and Trademark Office	Attorney's Docket No. 10559-478001	Application No. 09/878,051
JAM 2 1 2005 INTE	rmation Disclosure Statement by Applicant	Applicant Thomas M. Cronin	
(34 OFFE 1.98(t	(Use several sheets if necessary)	Filing Date June 7, 2001	Group Art Unit 2821

			U.S. Pate	nt Documents			
Examiner Initial	Desig. ID	Document Number	Publicatio n Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	6,175,655	01-2001	George et al.			
	ACC	6,191,787	02-2001	Lu et al.			
	ADD	6,191,796	02-2001	Tarr			
	AEE	6,198,486	03-2001	Junkins et al.			
	AFF	6,201,549	05-2001	Bronskill			
	AGG	6,208,347	03-2001	Migdal et al.			
	АНН	6,219,070	04-2001	Baker et al.			
	AII	6,239,808	05-2001	Kirk et al.			
	AJJ	6,252,608	06-2001	Snyder et al.			
	AKK	6,262,737	07-2001	Li et al.			
	ALL	6,262,739	07-2001	Migdal et al.			
	AMM	6,292,192	09-2001	Moreton			
	ANN	6,317,125	11-2001	Persson			
	AOO	6,337,880	01-2002	Cornog et al.			
	APP	6,388,670	05-2002	Naka et al.		. == .	
	AQQ	6,405,071	06-2002	Analoui			
	ARR	6,437,782	08-2002	Pieragostini et al.			
	ASS	6,478,680	11-2002	Yoshioka et al.			
	ATT	6,559,848	05-2003	O'Rourke			
	AUU	6,593,924	07-2003	Lake et al.			
	AVV	6,593,927	07-2003	Horowitz et al.			-
	AWW	6,608,627	08-2003	Marshall et al.			
	AXX	6,608,628	08-2003	Ross et al.			
	AYY	2001/0026278	10-2001	Arai et al.			
	AZZ	2002/0101421	08-2002	Pallister			

	Foreign	n Patent Doc	uments or P	ublished Fo	reign Pa	atent A	Application	ns
Examiner	Desig.	Document	Publication	Country	or	Class	Subclass	Translation

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no	I t in conformance and not considered. Include copy of this form with
next communication to applicant.	

Yes

No

P Substitu (Mod)Re	te Form PTO-1449 d) \	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-478001	Application No. 09/878,051
Info	by A	closure Statement pplicant	Applicant Thomas M. Cronin	
St. at	(Use several s (§1.98(b))	heets if necessary)	Filing Date June 7, 2001	Group Art Unit 2821

AAAA

		ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig.	Document
muai	ID_	Document Appal Author "The Nation of Countitative Invisibility and the Mechine Bondaring
	4 DDD	Appel, Arthur, "The Notion of Quantitative Invisibility and the Machine Rendering
	ABBB	of Solids." Proceedings of 22nd National Conference Association for Computing
		Machinery 1967.
	ACCC	Buck et al., "Performance-Driven Hand Drawn Animation", <u>ACM</u> (NPAR2000),
		pgs. 101 - 108 (2000).
	ADDD	Catmull et al., "Recursively Generated B-Spline Surfaces on Arbitrary Topological
		Meshes," Computer Aided Design, 10(6):350 - 355 (1978).
	AEEE	Coelho et al., "An Algorithm for Intersecting and Trimming Parametric Meshes",
		<u>ACM</u> SIGGRAPH, pgs. 1 - 8 (1998).
	AFFF	Deering, M., "Geometry Compression," Computer Graphics. SIGGRAPH '95,
		pages 13-20, 1995.
	AGGG	DeRose et al., "Subdivisional Surfaces in Character Animation", ACM,
<u></u>	71000	SIGGRAPH'98, pgs. 85 - 94 (1998).
	АННН	Elber, Gershon, "Interactive Line Art Rendering of Freeform Surfaces",
	Addin	Eurographics'99, 18(3):C1 - C12 (1999).
		Gooch et al., "A Non-Photorealistic Lighting Model for Automatic Technical
	AIII	Illustration," Computer Graphics Proceedings, Annual Conference Series,
_		SIGGRAPH'98, pgs. 447-452 (1998).
	AJJJ	Gooch et al., "Interactive Technical Illustration," ACM Interactive 3D, pgs. 31 - 38
	Vill	(1999).
	AKKK	Heidrich et al., "Realistic, Hardware-Accelerated Shading and Lighting," ACM,
	AKKK	(SIGGRAPH'99), pgs. 171 - 178 (1999).
	ATTT	Hoppe, H., "View-Dependent Refinement of Progressive Meshes", URL:
	ALLL	http://www.research.microsoft.com/~hoppe/ (10 pgs.).
· · · · ·	11000	Kumar et al., "Interactive Display of Large Scale NURBS Models", ACM, Symp.
	AMMM	On Interactive 3D Graphics, pgs. 51 - 58 (1995).
	4355-	Lake et al., "Stylized Rendering Techniques for Scalable Real-Time 3D
	ANNN	Animation", NPAR, pgs. 101 - 108 (2000).
		Lander, Jeff, "Making Kine More Flexible," Game Developer Magazine, 5 pgs.,
	A000	November 1998.
	APPP	Lander, Jeff, "Skin Them Bones," Game Developer Magazine, 4 pgs., May 1998.
		Pedersen, "A Framework for Interactive Texturing on Curved Surfaces", ACM, pgs
	AQQQ	295 - 301 (1996).
vominos Cian		293 - 301 (1990).

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-478001	Application No. 09/878,051	
ا مرز الله الله الله الله الله الله الله الل		Applicant Thomas M. Cronin	· · · · · · · · · · · · · · · · · · ·	
(Use several sheets)	s if necessary)	Filing Date June 7, 2001	Group Art Unit 2821	

(Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID	Document
	ARRR	"pmG Introduces Messiah: Animate 3.0", URL: http://www.digitalproducer.com/aHTM/Articles/july_2000/july_17_00/pmg_intros_messiah_animate.htm (Accessed 10/26/2004) 2 pgs.
	ASSS	Pueyo, X. et al., "Rendering Techniques '96," Proc. of Eurographics Rendering Workshop 1996, EUROGRAPHICS, p[gs. 61 - 70 (1996).
	ATTT	Rockwood, A. et al., "Real-time Rendering of Trimmed Surfaces," Computer Graphics (SIGGRAPH '89 Proceedings) 23:107 - 116 (1989).
	AUUU	Sousa, M., et al., "Computer-Generated Graphite Pencil Rendering of 3-D Polygonal Models", Eurographics'99, 18(3):C195 - C207 (1999).
	AVVV	Stam, J., "Exact Evaluation of Catmull-Clark Subdivision Surfaces at Arbitrary Parameter Values", SIGGRAPH 98 Conference Proceedings, Annual Conference Series, pgs. 395-404 (1998).
	AWWW	Taubin et al., "3D Geometry Compression", SIGGRAPH'98 Course Notes (1998).
	AXXX	Wilhelms, J. & Van Gelder, A., "Anatomically Based Modeling," Univ. California Santa Cruz [online], 1997 [retrieved 12/22/2004], retrieved from the Internet: <url: courses="" cs448-01-spring="" graphics.stanford.edu="" http:="" papers="" wilhelms.pdf="">.</url:>

Examiner Signature	Date Considered	
EVAMINED: Initials situation considered Draw line through	citation if not in conformance and not considered. Include	